# Ricardo Soto-Rifo

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 57 papers | 1,608 citations | 22 h-index | 39 g-index |
| 68 ext. papers | 2,162 ext. citations | 9.7 avg, IF | 4.71 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 57 | Sustained Antibody-Dependent NK Cell Functions in Mild COVID-19 Outpatients During Convalescence.. *Frontiers in Immunology*, **2022**, 13, 796481 | 8.4 | 0 |
| 56 | A booster dose of an inactivated SARS-CoV-2 vaccine increases neutralizing antibodies and T cells that recognize Delta and Omicron variants of concern. **2022**, | | 2 |
| 55 | Screening of Natural Products Inhibitors of SARS-CoV-2 Entry.. *Molecules*, **2022**, 27, | 4.8 | 3 |
| 54 | Differential neutralizing antibody responses elicited by CoronaVac and BNT162b2 against SARS-CoV-2 Lambda in Chile.. *Nature Microbiology*, **2022**, 7, 524-529 | 26.6 | 1 |
| 53 | Evaluation of the Immune Response Induced by CoronaVac 28-Day Schedule Vaccination in a Healthy Population Group.. *Frontiers in Immunology*, **2021**, 12, 766278 | 8.4 | 2 |
| 52 | N -Methyladenosine Negatively Regulates Human Respiratory Syncytial Virus Replication. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 739445 | 5.7 | 0 |
| 51 | Early versus deferred anti-SARS-CoV-2 convalescent plasma in patients admitted for COVID-19: A randomized phase II clinical trial. *PLoS Medicine*, **2021**, 18, e1003415 | 11.6 | 36 |
| 50 | Interim report: Safety and immunogenicity of an inactivated vaccine against SARS-CoV-2 in healthy chilean adults in a phase 3 clinical trial. **2021**, | | 23 |
| 49 | RNA Helicase DDX3: A Double-Edged Sword for Viral Replication and Immune Signaling. *Microorganisms*, **2021**, 9, | 4.9 | 3 |
| 48 | Performance of SARS-CoV-2 rapid antigen test compared with real-time RT-PCR in asymptomatic individuals. *International Journal of Infectious Diseases*, **2021**, 107, 201-204 | 10.5 | 21 |
| 47 | Accuracy of a RT-qPCR SARS-CoV-2 detection assay without prior RNA extraction. *Journal of Virological Methods*, **2021**, 287, 113969 | 2.6 | 10 |
| 46 | CBP80/20-dependent translation initiation factor (CTIF) inhibits HIV-1 Gag synthesis by targeting the function of the viral protein Rev. *RNA Biology*, **2021**, 18, 745-758 | 4.8 | 2 |
| 45 | Tellurite Promotes Stress Granules and Nuclear SG-Like Assembly in Response to Oxidative Stress and DNA Damage. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 622057 | 5.7 | 3 |
| 44 | Insights into neutralizing antibody responses in individuals exposed to SARS-CoV-2 in Chile. *Science Advances*, **2021**, 7, | 14.3 | 12 |
| 43 | Safety and Immunogenicity of an Inactivated SARS-CoV-2 Vaccine in a Subgroup of Healthy Adults in Chile. *Clinical Infectious Diseases*, **2021**, | 11.6 | 18 |
| 42 | The Landscape of IFN/ISG Signaling in HIV-1-Infected Macrophages and Its Possible Role in the HIV-1 Latency. *Cells*, **2021**, 10, | 7.9 | 1 |
| 41 | Crosstalk between RNA Metabolism and Cellular Stress Responses during Zika Virus Replication. *Pathogens*, **2020**, 9, | 4.5 | 4 |

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| 40 | Bacterial Synthesis of Ternary CdSAg Quantum Dots through Cation Exchange: Tuning the Composition and Properties of Biological Nanoparticles for Bioimaging and Photovoltaic Applications. *Microorganisms*, **2020**, 8, | 4.9 | 19 |
| 39 | Meteorological impact on the COVID-19 pandemic: A study across eight severely affected regions in South America. *Science of the Total Environment*, **2020**, 744, 140881 | 10.2 | 29 |
| 38 | DISC1 promotes translation maintenance during sodium arsenite-induced oxidative stress. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2019**, 1862, 657-669 | 6 | 3 |
| 37 | Salmon cells SHK-1 internalize infectious pancreatic necrosis virus by macropinocytosis. *Journal of Fish Diseases*, **2019**, 42, 1035-1046 | 2.6 | 8 |
| 36 | Strategies for Success. Viral Infections and Membraneless Organelles. *Frontiers in Cellular and Infection Microbiology*, **2019**, 9, 336 | 5.9 | 26 |
| 35 | New Challenges of HIV-1 Infection: How HIV-1 Attacks and Resides in the Central Nervous System. *Cells*, **2019**, 8, | 7.9 | 20 |
| 34 | Inhibition of miR-378a-3p by Inflammation Enhances IL-33 Levels: A Novel Mechanism of Alarmin Modulation in Ulcerative Colitis. *Frontiers in Immunology*, **2019**, 10, 2449 | 8.4 | 12 |
| 33 | Differences in the internalization of self-inactivating VSVG-pseudotyped murine leukemia virus-based vectors in human and murine cells. *Journal of Virological Methods*, **2018**, 255, 14-22 | 2.6 | 2 |
| 32 | Emerging Roles of N-Methyladenosine on HIV-1 RNA Metabolism and Viral Replication. *Frontiers in Microbiology*, **2018**, 9, 576 | 5.7 | 13 |
| 31 | A Rev-CBP80-eIF4AI complex drives Gag synthesis from the HIV-1 unspliced mRNA. *Nucleic Acids Research*, **2018**, 46, 11539-11552 | 20.1 | 16 |
| 30 | microRNAs stimulate translation initiation mediated by HCV-like IRESes. *Nucleic Acids Research*, **2017**, 45, 4810-4824 | 20.1 | 8 |
| 29 | Epitranscriptomic regulation of viral replication. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2017**, 1860, 460-471 | 6 | 12 |
| 28 | Infectious pancreatic necrosis virus enters CHSE-214 cells via macropinocytosis. *Scientific Reports*, **2017**, 7, 3068 | 4.9 | 14 |
| 27 | DEAD-box RNA helicase DDX3 connects CRM1-dependent nuclear export and translation of the HIV-1 unspliced mRNA through its N-terminal domain. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2016**, 1859, 719-30 | 6 | 25 |
| 26 | Interactions between the HIV-1 Unspliced mRNA and Host mRNA Decay Machineries. *Viruses*, **2016**, 8, | 6.2 | 16 |
| 25 | Who Regulates Whom? An Overview of RNA Granules and Viral Infections. *Viruses*, **2016**, 8, | 6.2 | 50 |
| 24 | RNA helicase DDX3: at the crossroad of viral replication and antiviral immunity. *Reviews in Medical Virology*, **2015**, 25, 286-99 | 11.7 | 70 |
| 23 | Translational Control of the HIV Unspliced Genomic RNA. *Viruses*, **2015**, 7, 4326-51 | 6.2 | 18 |

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|---|---|---|---|
| 22 | HIV-1 Recruits UPF1 but Excludes UPF2 to Promote Nucleocytoplasmic Export of the Genomic RNA. *Biomolecules*, **2015**, 5, 2808-39 | 5.9 | 35 |
| 21 | Tobacco smoke activates human papillomavirus 16 p97 promoter and cooperates with high-risk E6/E7 for oxidative DNA damage in lung cells. *PLoS ONE*, **2015**, 10, e0123029 | 3.7 | 21 |
| 20 | HIV-2 genomic RNA accumulates in stress granules in the absence of active translation. *Nucleic Acids Research*, **2014**, 42, 12861-75 | 20.1 | 11 |
| 19 | Translation initiation is driven by different mechanisms on the HIV-1 and HIV-2 genomic RNAs. *Virus Research*, **2013**, 171, 366-81 | 6.4 | 25 |
| 18 | The role of the DEAD-box RNA helicase DDX3 in mRNA metabolism. *Wiley Interdisciplinary Reviews RNA*, **2013**, 4, 369-85 | 9.3 | 70 |
| 17 | miRNA repression of translation in vitro takes place during 43S ribosomal scanning. *Nucleic Acids Research*, **2013**, 41, 586-98 | 20.1 | 44 |
| 16 | The DEAD-box helicase DDX3 substitutes for the cap-binding protein eIF4E to promote compartmentalized translation initiation of the HIV-1 genomic RNA. *Nucleic Acids Research*, **2013**, 41, 6286-99 | 20.1 | 72 |
| 15 | DEAD-box protein DDX3 associates with eIF4F to promote translation of selected mRNAs. *EMBO Journal*, **2012**, 31, 3745-56 | 13 | 177 |
| 14 | Functional mechanisms of the cellular prion protein (PrP(C)) associated anti-HIV-1 properties. *Cellular and Molecular Life Sciences*, **2012**, 69, 1331-52 | 10.3 | 17 |
| 13 | The Andes hantavirus NSs protein is expressed from the viral small mRNA by a leaky scanning mechanism. *Journal of Virology*, **2012**, 86, 2176-87 | 6.6 | 45 |
| 12 | Different effects of the TAR structure on HIV-1 and HIV-2 genomic RNA translation. *Nucleic Acids Research*, **2012**, 40, 2653-67 | 20.1 | 34 |
| 11 | Activation of a microRNA response in trans reveals a new role for poly(A) in translational repression. *Nucleic Acids Research*, **2011**, 39, 5215-31 | 20.1 | 25 |
| 10 | The 3Tuntranslated region of the Andes hantavirus small mRNA functionally replaces the poly(A) tail and stimulates cap-dependent translation initiation from the viral mRNA. *Journal of Virology*, **2010**, 84, 10420-4 | 6.6 | 13 |
| 9 | Structural and functional diversity of viral IRESes. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2009**, 1789, 542-57 | 6 | 135 |
| 8 | Mechanism of HIV-1 Tat RNA translation and its activation by the Tat protein. *Retrovirology*, **2009**, 6, 74 | 3.6 | 38 |
| 7 | Lentiviral RNAs can use different mechanisms for translation initiation. *Biochemical Society Transactions*, **2008**, 36, 690-3 | 5.1 | 41 |
| 6 | Homozygous mutation of AURKC yields large-headed polyploid spermatozoa and causes male infertility. *Nature Genetics*, **2007**, 39, 661-5 | 36.3 | 198 |
| 5 | Back to basics: the untreated rabbit reticulocyte lysate as a competitive system to recapitulate cap/poly(A) synergy and the selective advantage of IRES-driven translation. *Nucleic Acids Research*, **2007**, 35, e121 | 20.1 | 53 |

# List of Publications

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| 4 | CBP80/20-dependent translation initiation factor (CTIF) inhibits HIV-1 Gag synthesis by targeting the function of the viral protein Rev | 1 |
| 3 | Early Anti-SARS-CoV-2 Convalescent Plasma in Patients Admitted for COVID-19: A Randomized Phase II Clinical Trial | 6 |
| 2 | A Rev-CBP80-eIF4AI complex drives Gag synthesis from the HIV-1 unspliced mRNA | 2 |
| 1 | Infectivity and immune escape of the new SARS-CoV-2 variant of interest Lambda | 37 |